

Service Manual

Version 1.0 - english

Audio 10 ECE Typ 3100



- *Circuit diagram*
- *Components schematics*
- *Test program / Reset*
- *Anti-theft Divice*
- *Technical Data*
- *Spare Parts List*



RESET-release MB-MY99

A and **B** and **C** press simultaneously .

Action: Sound source will be interrupted for app. 1 second and display set up again.

Test programe MB-MY99

1 and **2** press simultaneously
after

BECKER

Becker-Test mode
is activated



3 press once

SIG
10 89.5

f. e. 10 = Field strength
f. e. 89.5 = Frequency (MHz)

3 press twice

TPV 2

Increase TA
Settings: 0-1-2-3
select with  , 

3 press 3 times

ECE
100 9

100 = Grid FM
9 = Grid AM

3 press 4 times

TYP 3100

3 press 5 times

SEA
W1001052

3 press 6 times

SW
03/00

Display:
actual software version

3 press 7 times

END

after 5 seconds test programme
will be quit automaticly

Entering the code number



Set each digit of the code with the **B** or **C** button and confirm individually with the **A** button. The dash prompting the entry of the next digit flashes. The digits can be reselected for correction via the **A** button.

Technical Data

Wave band:	FM 87,5 MHz - 108 MHz AM 531 kHz - 1620 kHz LW 153 kHz - 282 kHz SW 5800 kHz - 6250 kHz
Station memory:	4 stations can be stored for each of the wave bands FM1 and FM2, AW, LW and SW
Frequency range:	50 Hz - 16 kHz Cassette 30 Hz - 15 kHz FM 50 Hz - 2,5 kHz AM, LW, SW
EON-Function:	
Regional mode:	switching on / switching off
Regional mode:	FM, AW, LW
Output power:	4 x 20 Watt at 4 Ohm (10% Klirr)
Line cross section:	min. 0,75 mm ²
Speaker Impedance:	min. 4 Ohm
GAL:	fixed defined volume increase
Antenna:	Impedanz 50 Ohm
Telephone mute:	Low active level < 2 Volt
Supply voltage:	12 Volt
Tape deck:	Autoreverse, electronical control (Full Logic Control) Titel search forward/rewind
Soundsystem:	Connection only via D2B optical interface
CD connection:	Only MB-CD changers with D2B optical interface can be connected.
Playable CD's:	Only CDs which conform to DIN EN 60908 may be used. The use of 8 cm CDs with adapter is not recommended.

Blockdiagram

Main Board 4010 2

Connector

Connector block (Board 4040) 3

Connector interface (Board 4010) 4

Power supply

UG9V; UD5V; UG5V (Board 4010) 5

Tuner

FM / AM-Tuner (Board 4010) 6

RDS-Decoder (Board 4010) 7

AF-section

Audio controller, AF-amplifier (Board 4010) 8

Interface

d2b-optical, A/D-D/A-converter (Board 4010) 9

Illumination; 12V out;

Tel.-Mute; GAL; CAN-, K-BUS (Board 4010) 10

Control

Processor; Shiftregister (Board 4010) 11

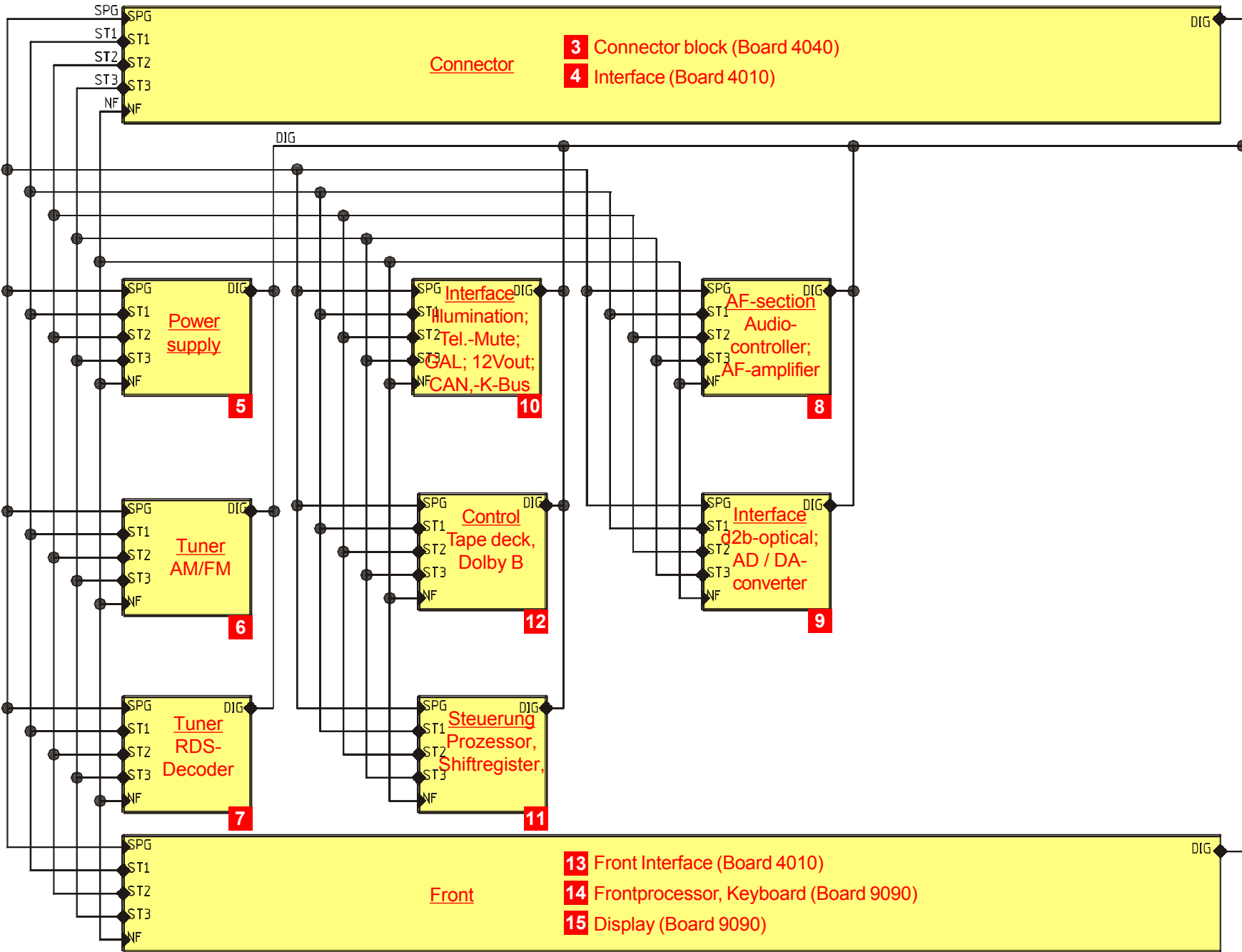
CC-control, Dolby B (Board 4010) 12

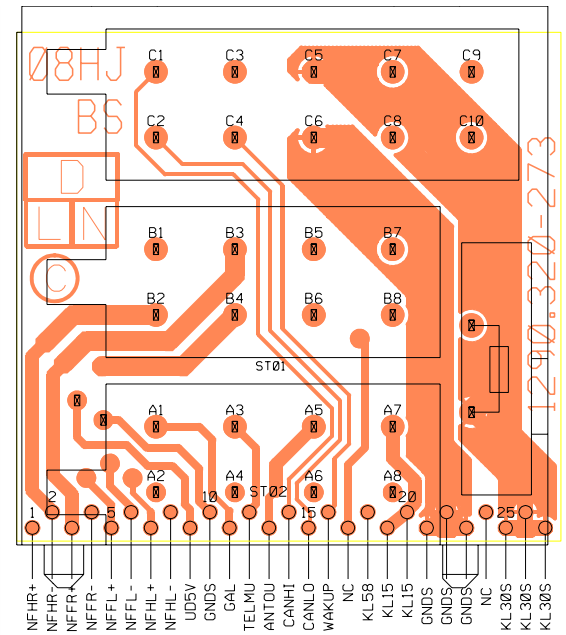
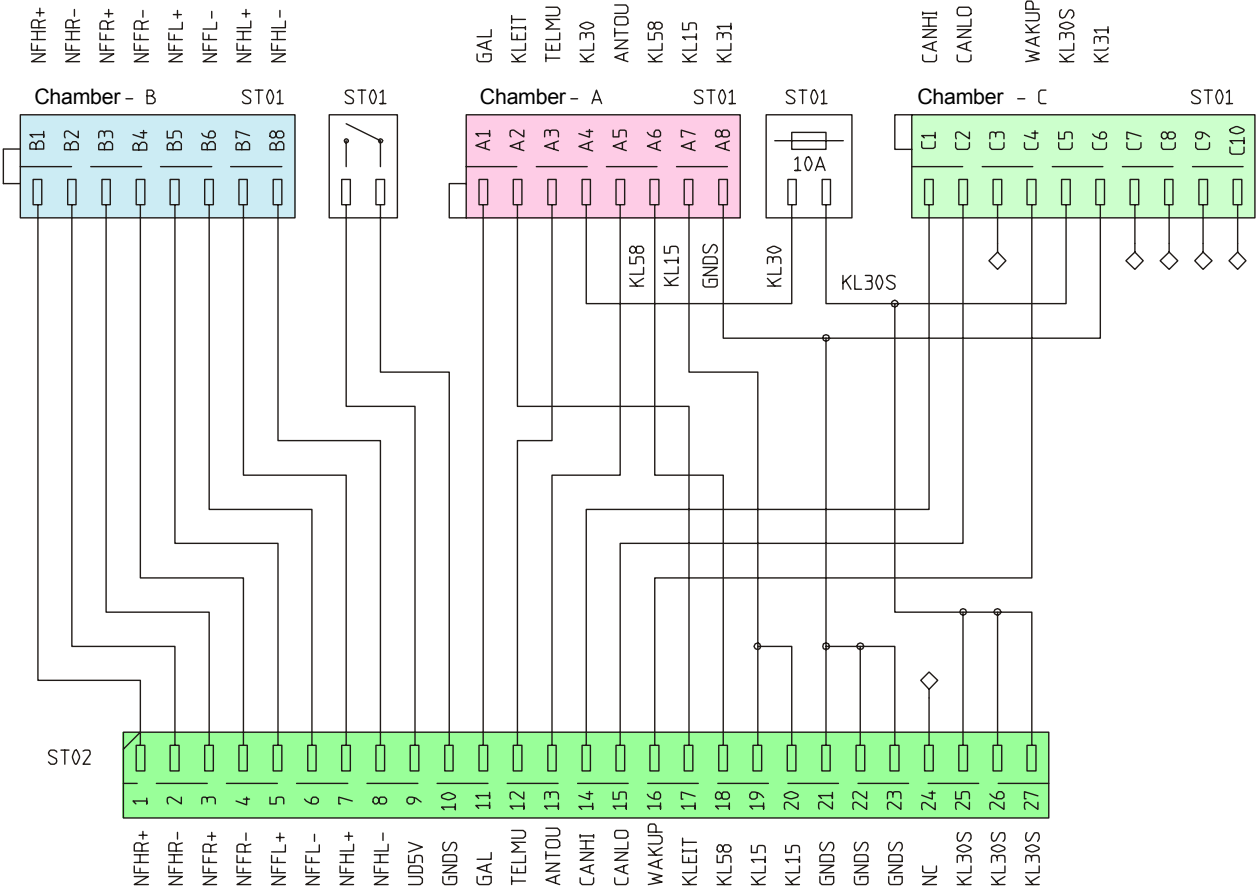
Front

Front-Interface (Board 4010) 13

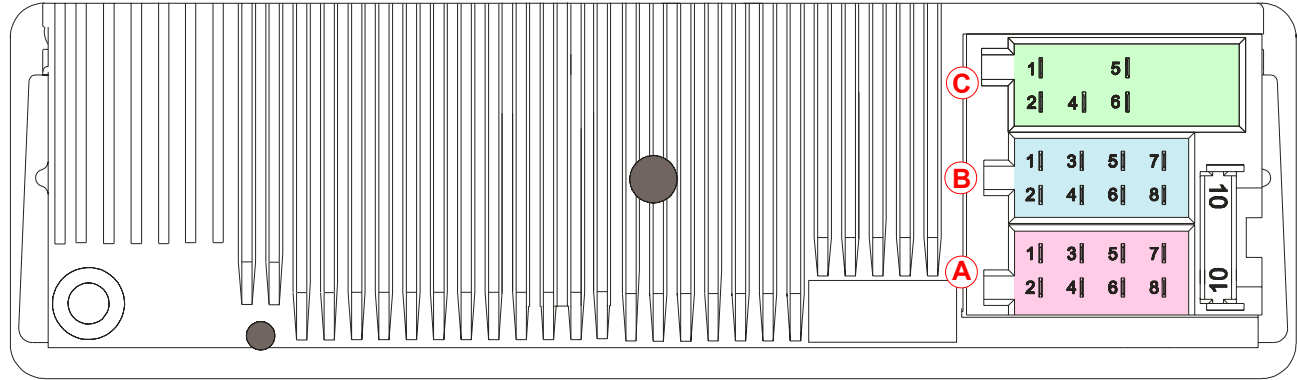
Front-Processor, Keyboard (Board 9090) 14

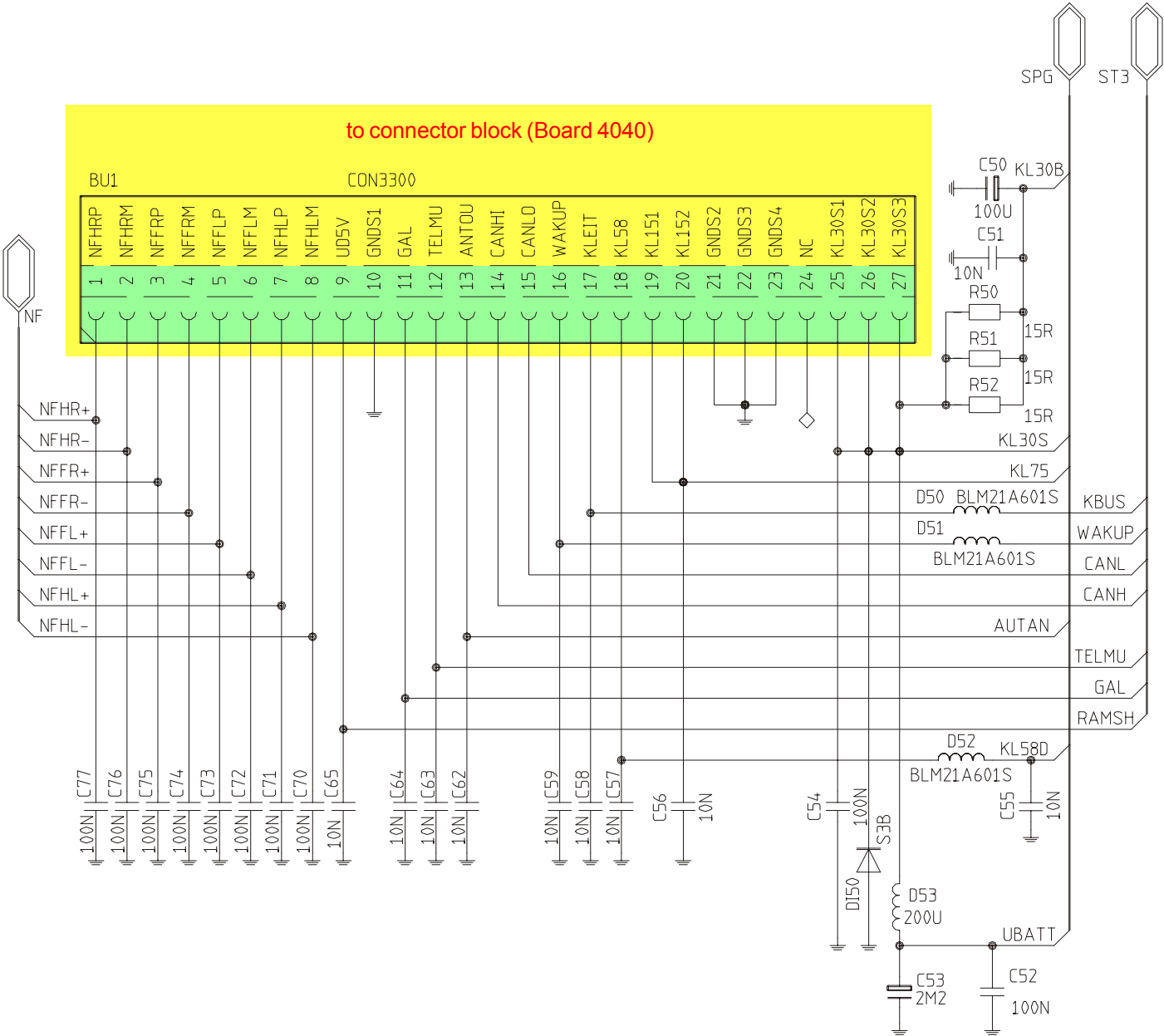
Display (Board 9090) 15

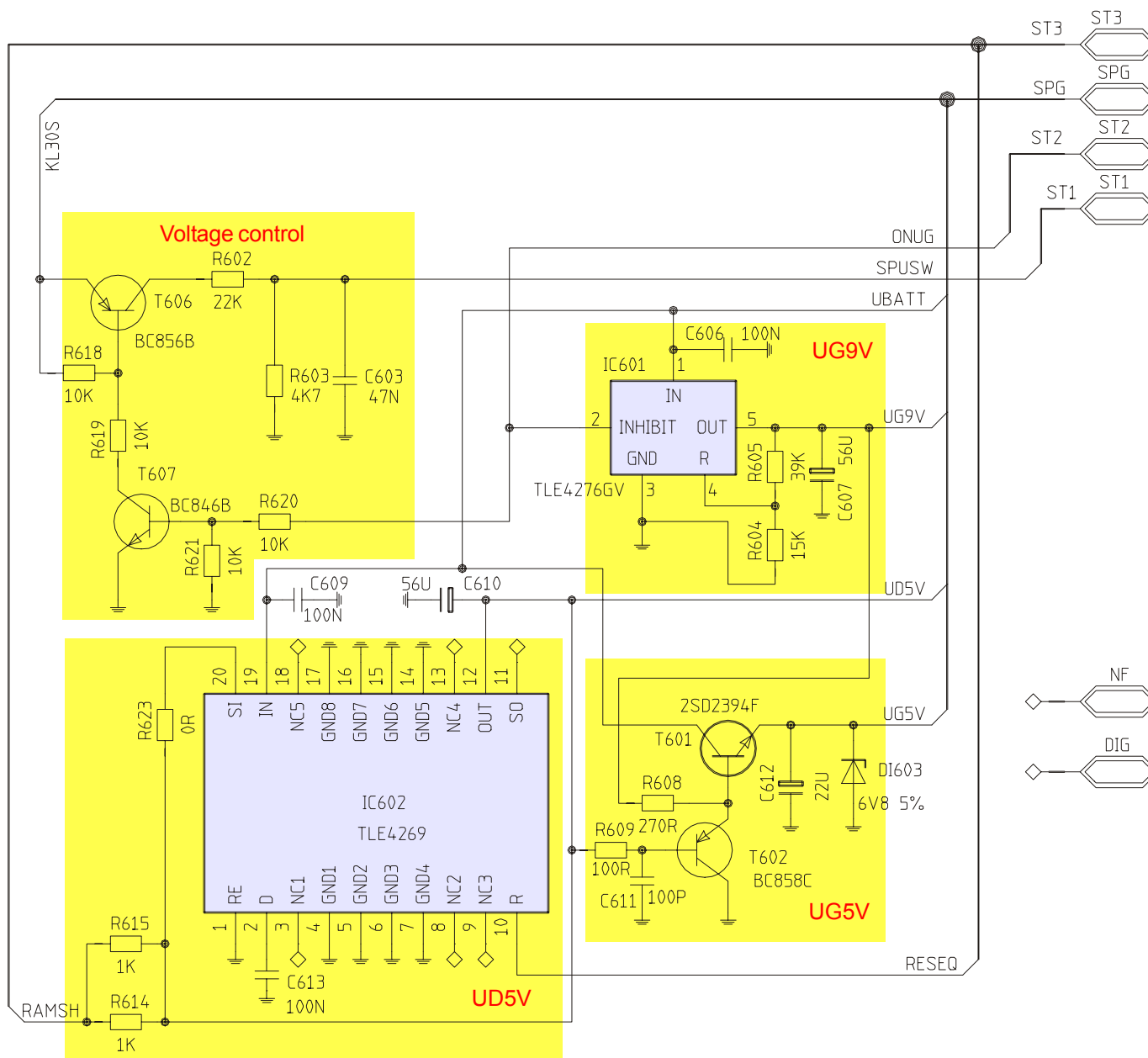


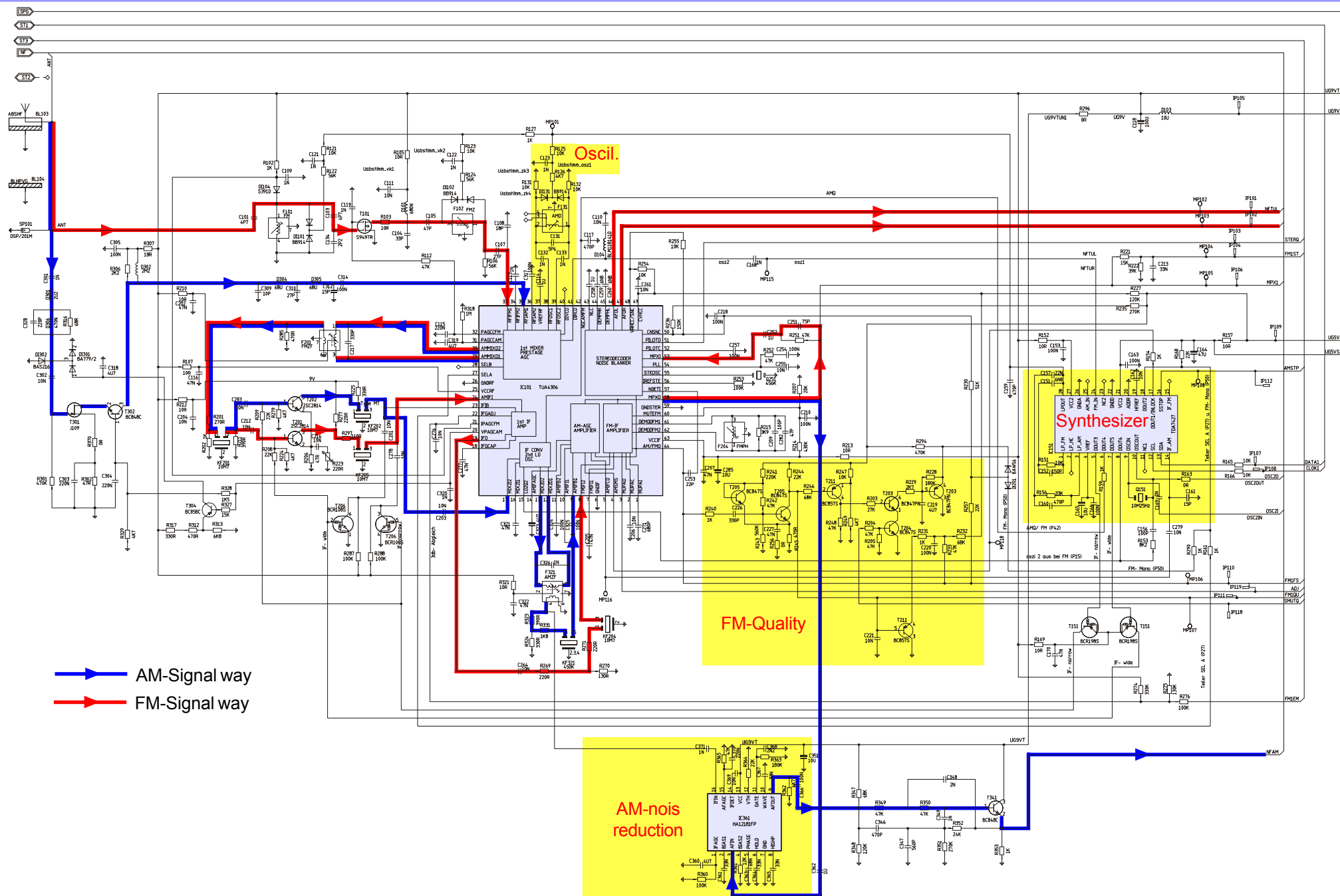


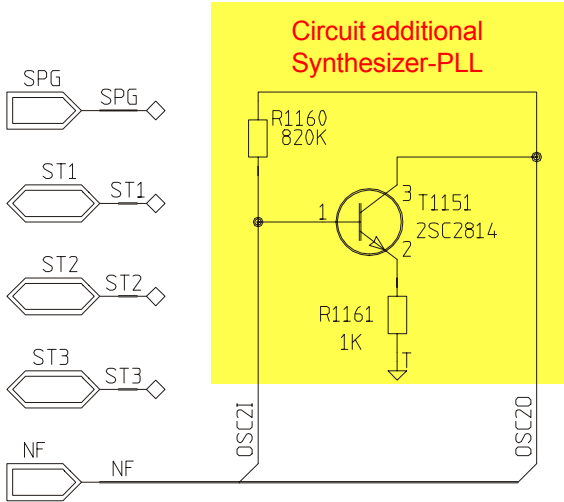
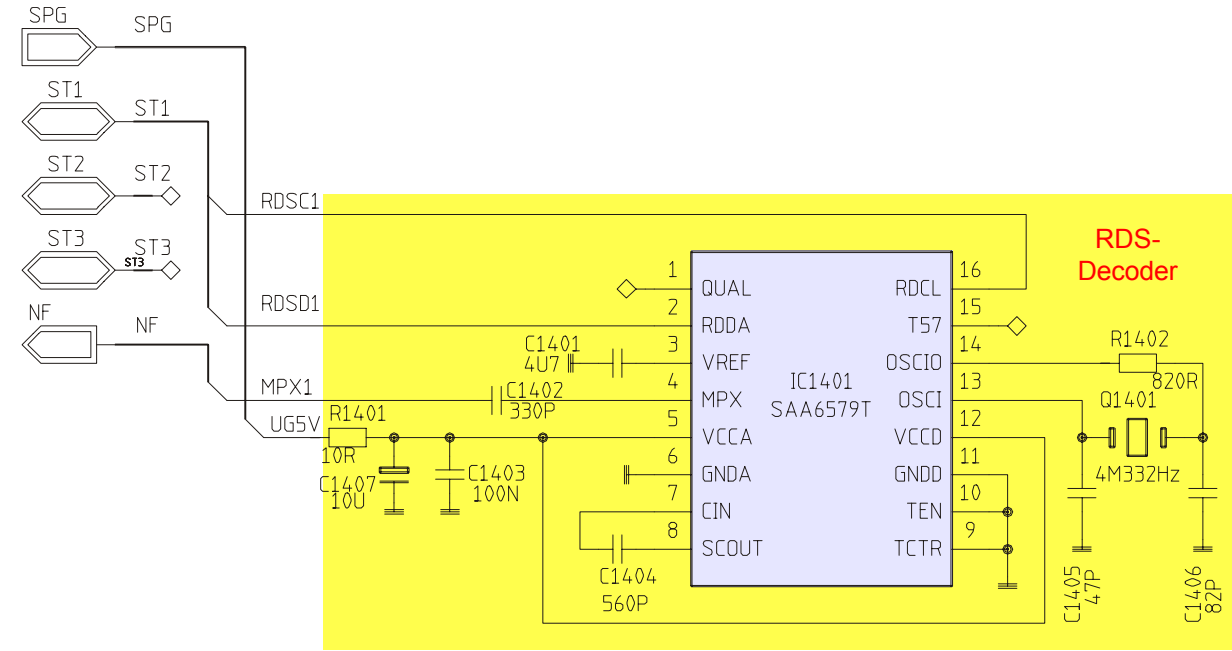
PIN	Chamber A	Chamber B	Chamber C
1	Speed dependent Vol. control	Loudspeaker rear right +	not assigned
2	K-line	Loudspeaker rear right -	not assigned
3	Telephone mute	Loudspeaker front right +	
4	Terminal 30, Battery	Loudspeaker front right -	Wake up line
5	Control output 12V	Loudspeaker front left +	Battery 12V Fuse
6	Battery 12V Fuse	Loudspeaker front left -	Terminal 31, Ground
7	Terminal 15, Ignition	Loudspeaker rear left +	
8	Terminal 31, Ground	Loudspeaker rear left -	

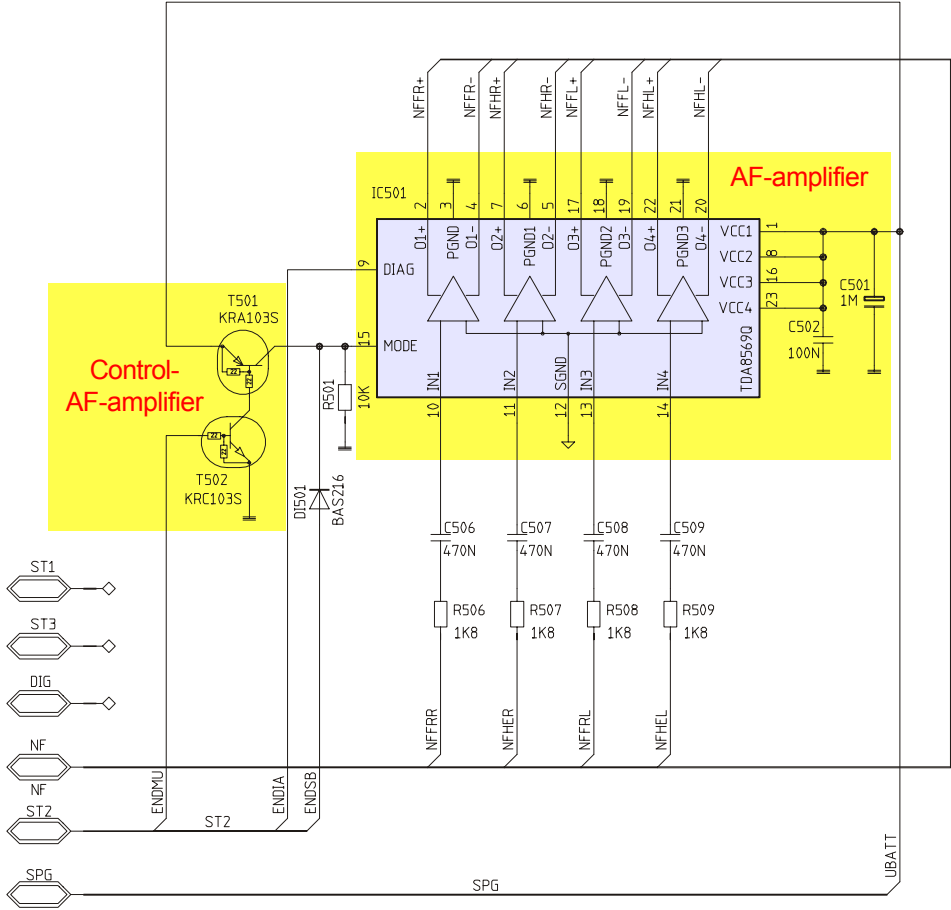
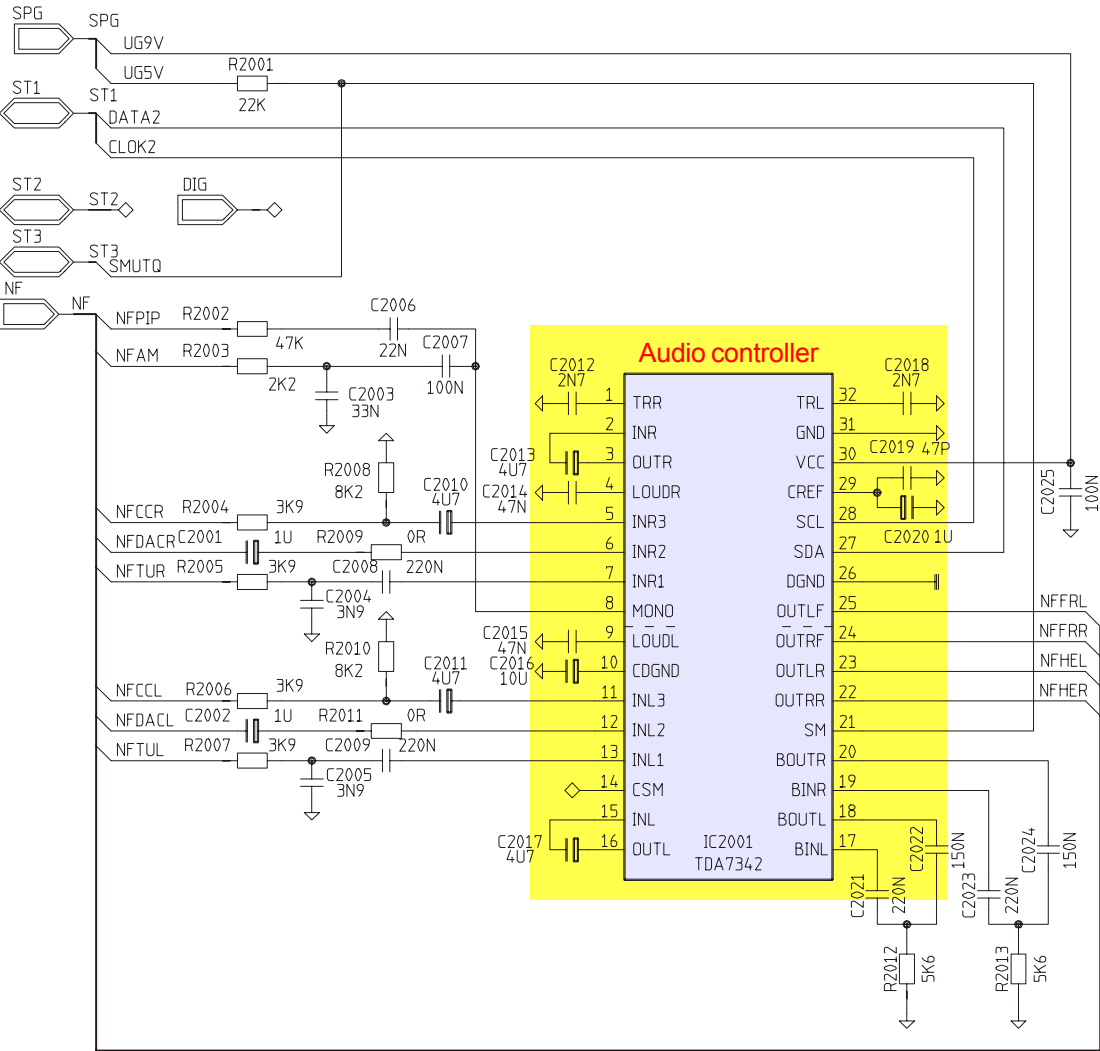


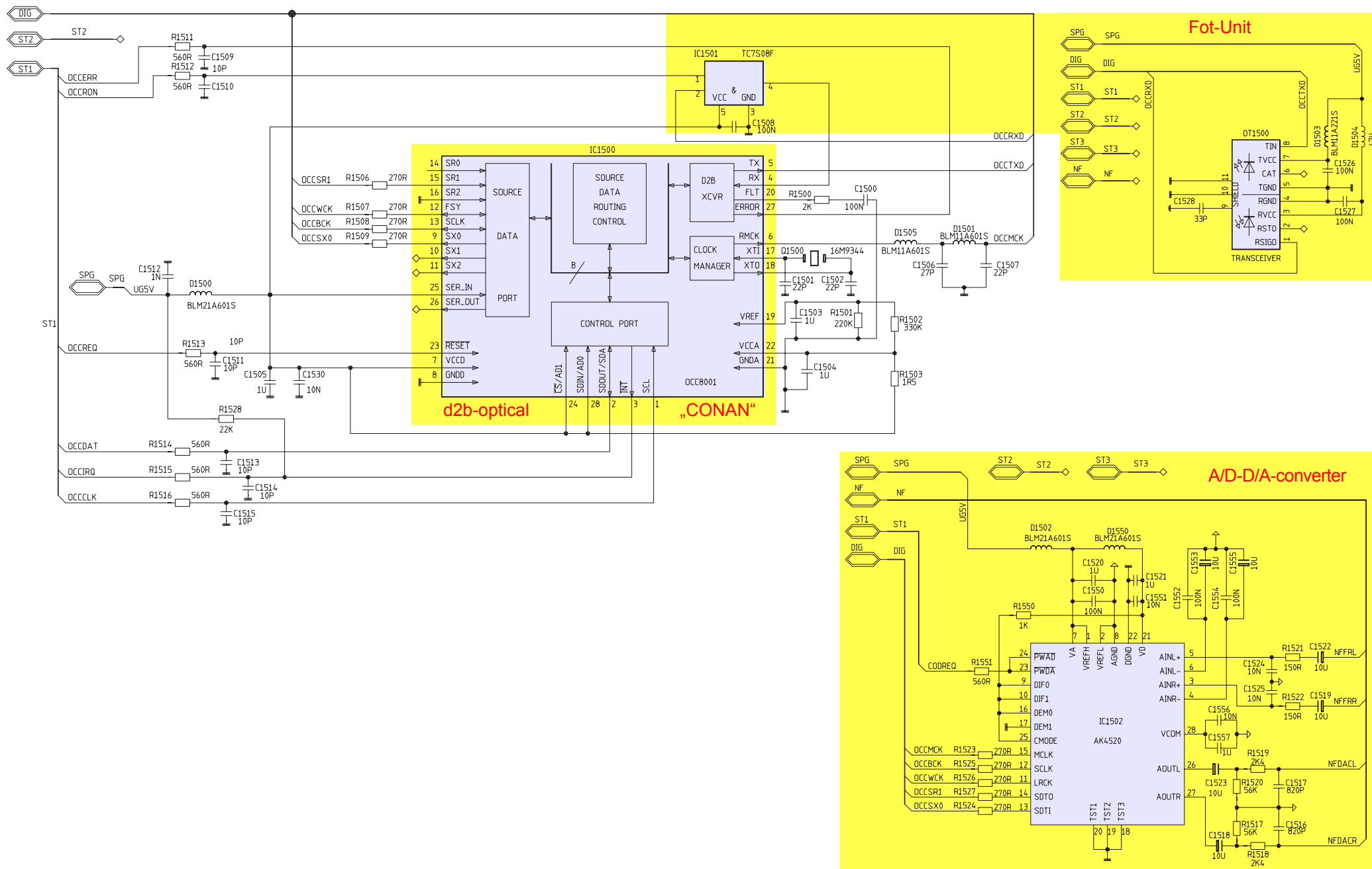


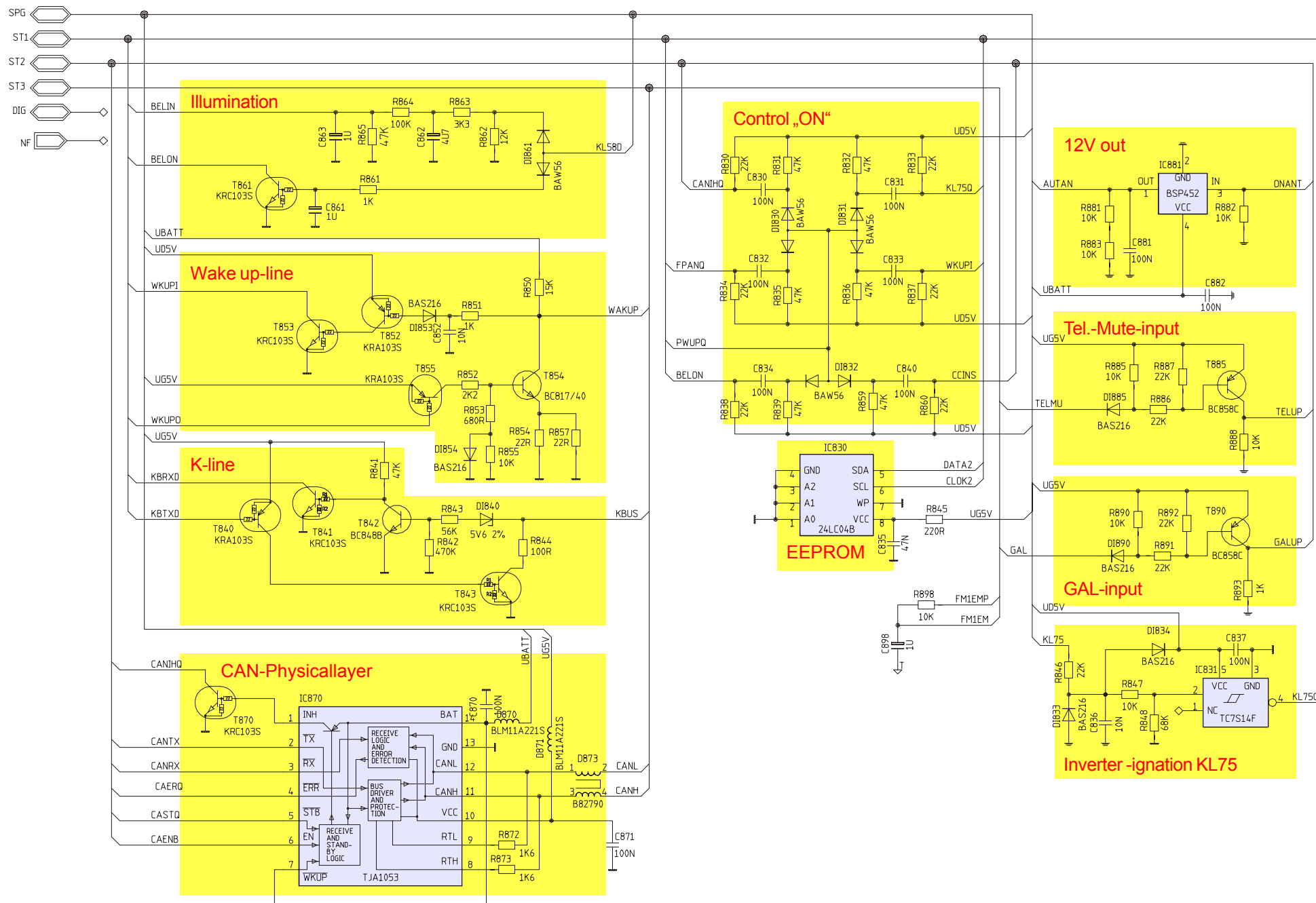


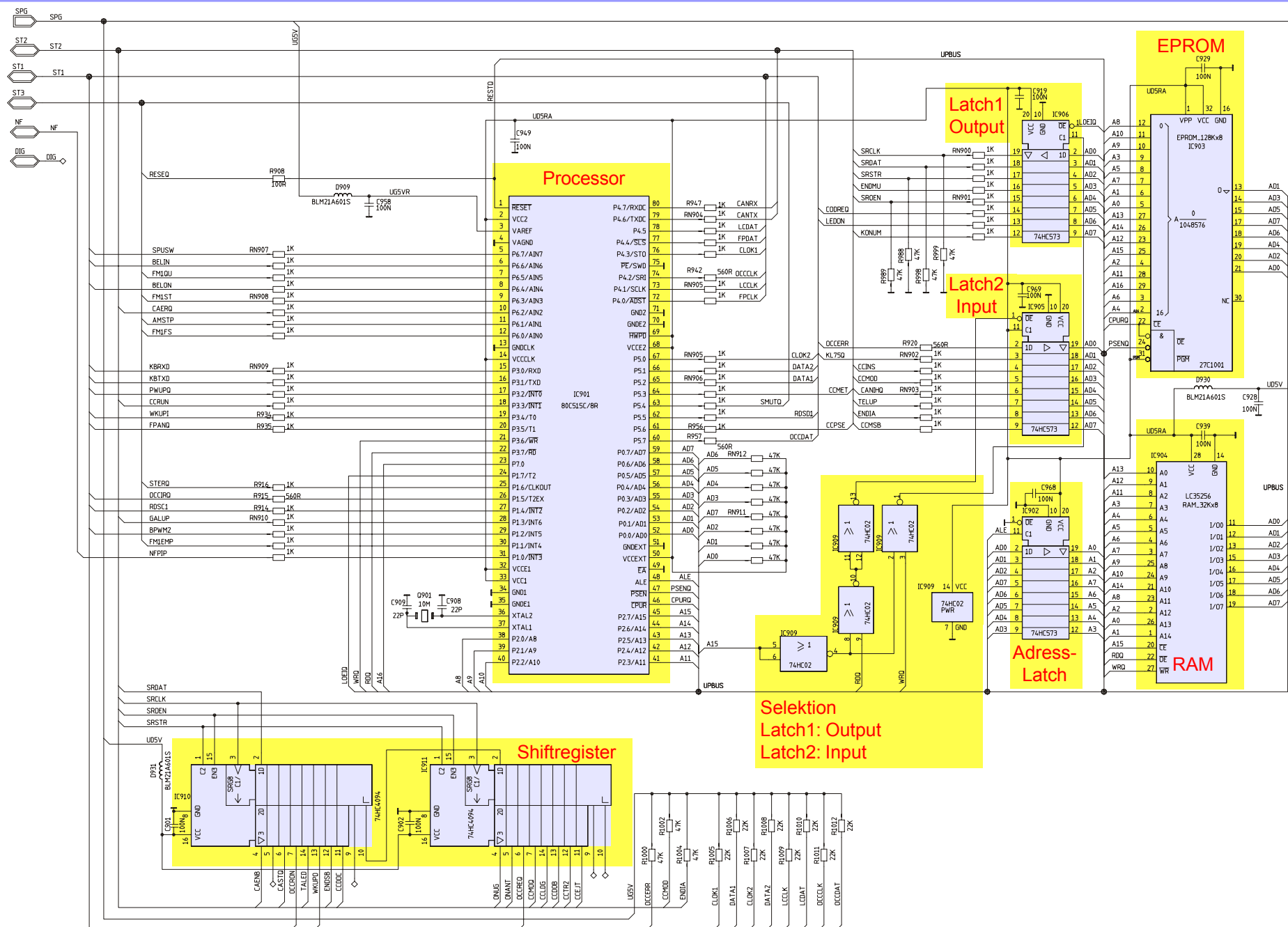


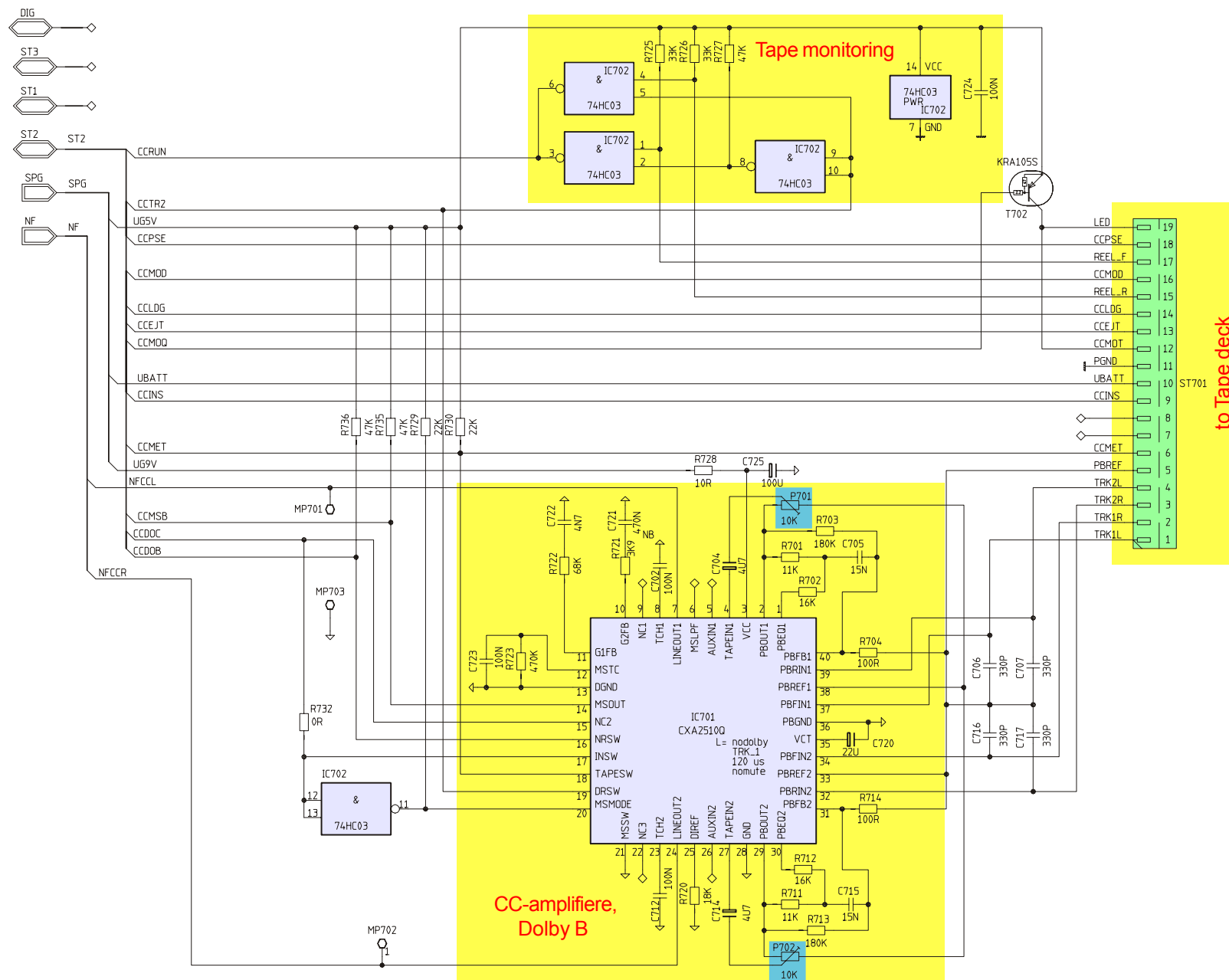


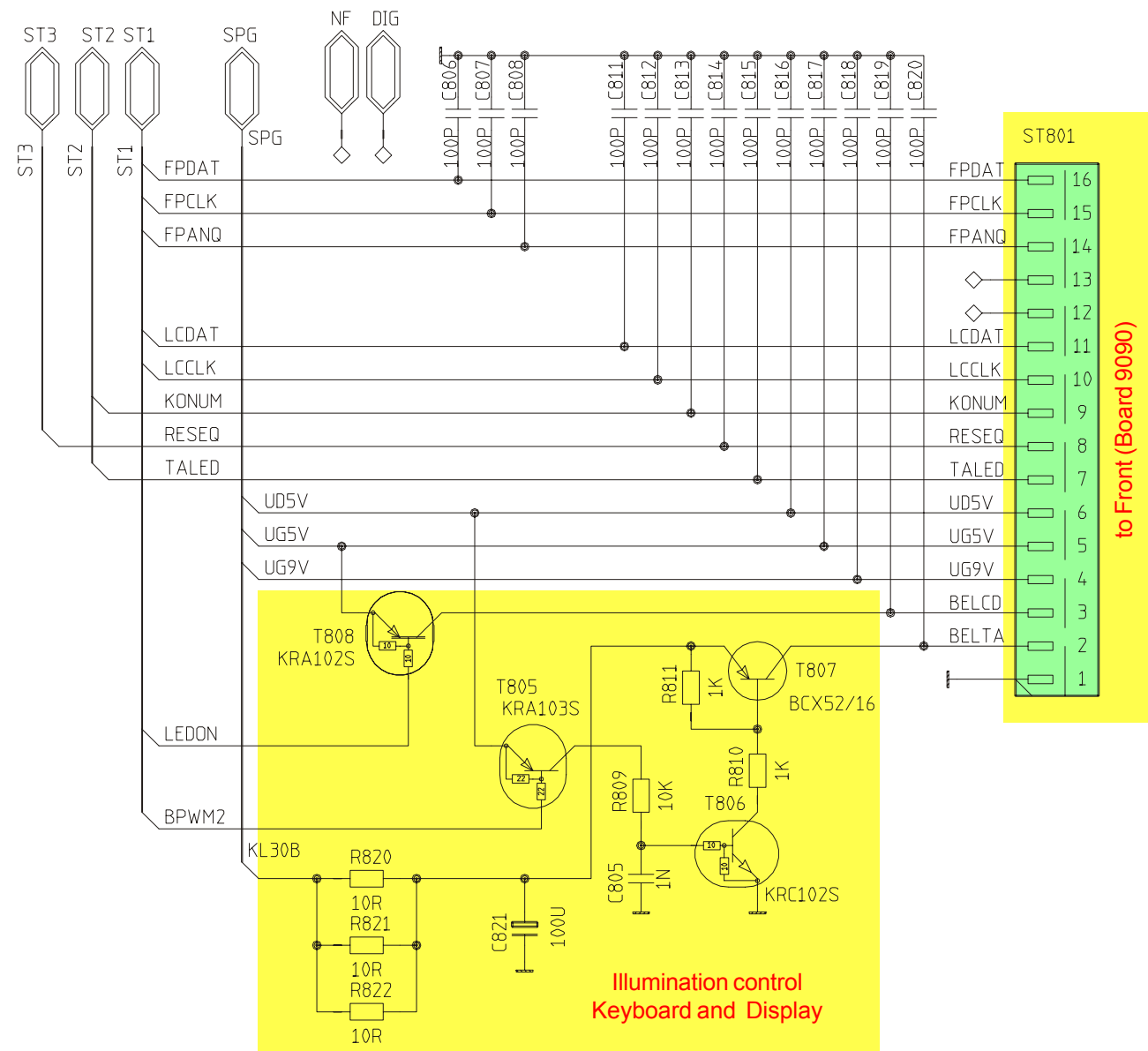




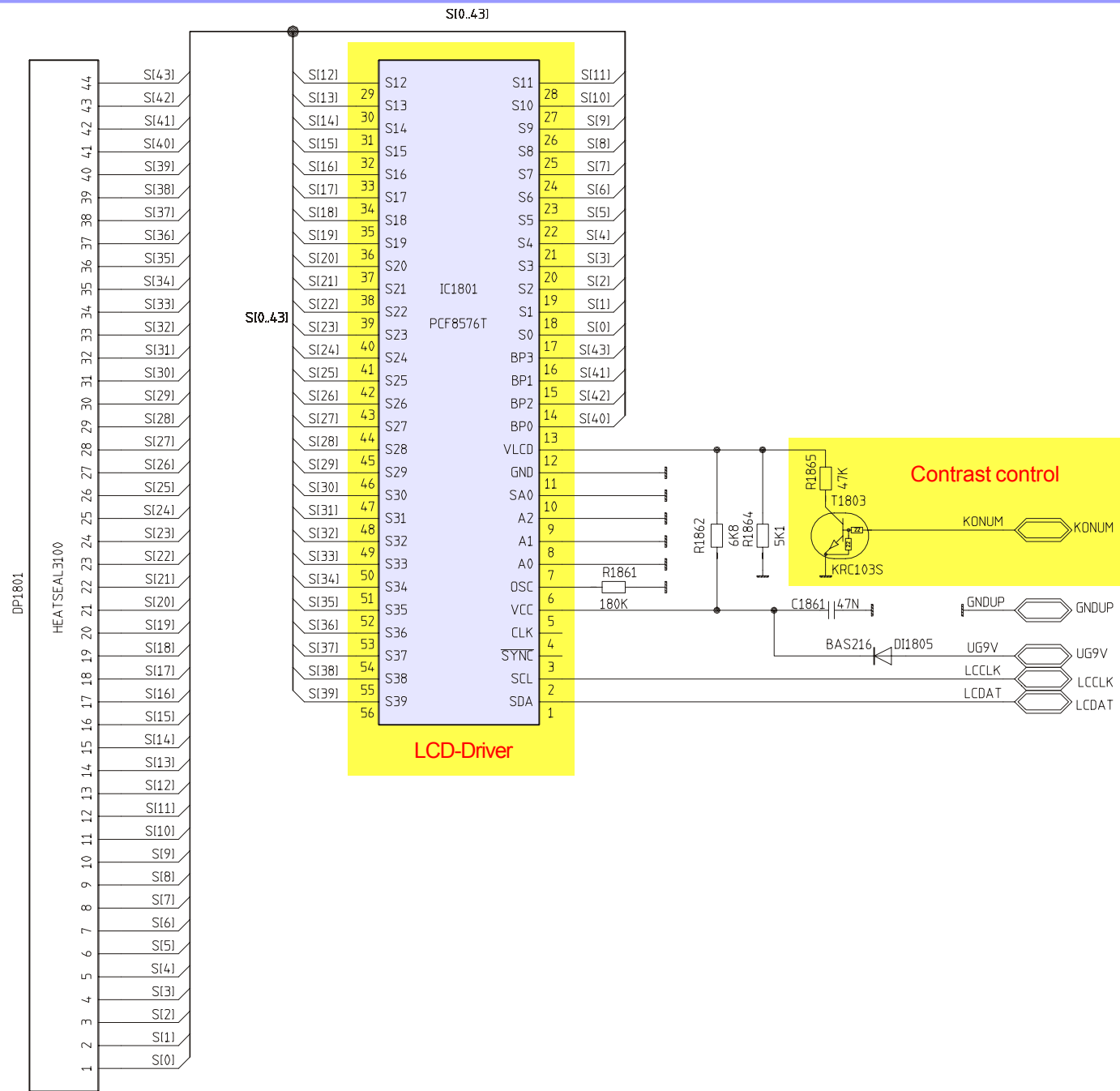






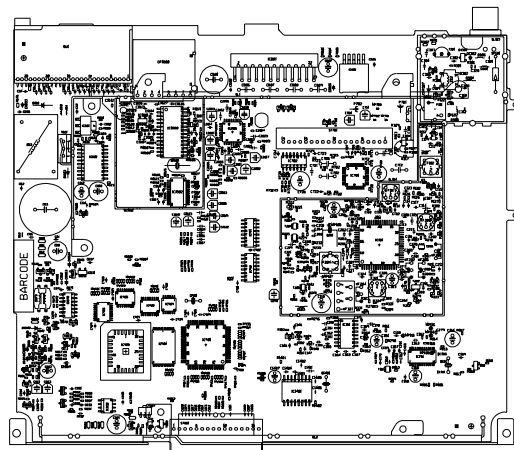






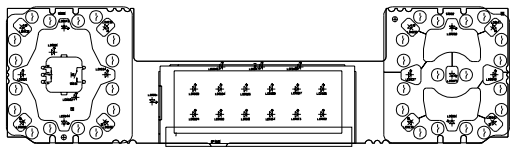
4010 Main Board

Main Board BS-29FL 2



9090 Front

Front 9090 BS/LS-23CL 3



Pos.	Part.-No.	Denomination
1	1284614	CHASSIS
2	1309765	COVER, CHASSIS
3	1284622	HOLDING SPRING-RIGHT
4	1284630	HOLDING SPRING-LEFT
5	1246909	HEAT SINK 3310 WGR11318
6	1271997	COVER -D2B HEADER- AMP 969 272-2
7	1246917	IC-HOLDER
8	1248316	SCREENING FRAME-FM- WITH ANT.SOCKET
9	1278916	CONNECTOR 21 POL D&R K37000300
10	1271210	TAPEDECK ASSY ALP GR71S31B GR-S
11		OPERATION ESCUTCHEON (NOT AVAILABLE CPL)
12	1313266	OPERATION ESCUTCHEON WITH CLOSING FLAP
13	1342282	P.C. BOARD 9090 FRONT/LCD
14	1342312	KEY EJECT
15	1342320	KEY SC
16	1342339	KEY MUTE
17	1342355	KEY TONE
18	1342363	KEY CC
19	1342371	KEY FM
20	1342381	KEY AM
21	1342398	KEY CD
22	1342401	KEY CROSS TRANSMITTER SEARCH
23	1342411	KEY CROSS STATION BUTTONS
24	1342428	KEY RDS
25	1313428	CONTACT MAT, LEFT 3100
26	1313436	CONTACT MAT, RIGHT 3100
27	1313369	TORSIO SPRING
28	1313355	CLOSING FLAP
29	1313339	LEVER CONTROL
30	1313347	CONTROL CLOSING FLAP
31	1284177	BUTTON
32	1313411	LIGHT CONDUCTOR (CC) 3100
C101	1237683	CECA-CH 4P7 J NP0 0603 BAW SPE0030A315
C103	1237683	CECA-CH 4P7 J NP0 0603 BAW SPE0030A315
C104	1223968	CECA-CH 33P J NP0 0603 BAW SPE0030A315
C105	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315
C107	1243012	CECA-CH 27P J NPO 0603 BAW SPE0030A315
C108	1223941	CECA-CH 18P J NP0 0603 BAW SPE0030A315
C109	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C110	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C111	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C114	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C115	1246321	CECA-CH 220N K X7R 1206 BAW SPE0036A315
C116	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C117	1119222	CECA-CH 470P K X7R 0805 BAW SPE0015A315
C118	1306170	AL-ELCA 100U M 1000/85G NCC SRM-VB RM2,5

C119	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C121	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C122	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C123	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C131	1238787	CECA-CH 5P6 J NP0 0603 BAW SPE0030A315
C132	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C133	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C134	1226991	CECA-CH 2P2 J NP0 0603 BAW SPE0030A315
C1401	1283235	CECA-CH 4U7 K X5R 1206 10V MUR GMR42-6
C1402	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C1403	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1404	1156561	CECA-CH 560P J NP0 0805 BAW SPE0003A315
C1405	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315
C1406	1234463	CECA-CH 82P J NP0 0603 BAW SPE0030A315
C1407	1243934	AL-ELCA 10U M 16V G BAW SPE0069A31 RM2,5
C1500	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1501	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C1502	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C1503	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C1504	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C1505	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C1506	1243012	CECA-CH 27P J NPO 0603 BAW SPE0030A315
C1507	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C1508	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1509	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C151	1257821	CECA-CH 6N8 K B 0805 50V PDAG MUR GRM425
C1510	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C1511	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C1512	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315
C1513	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C1514	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C1515	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C1516	1083899	CECA-CH 820P J NP0 1206 BAW SPE0006A315
C1517	1083899	CECA-CH 820P J NP0 1206 BAW SPE0006A315
C1518	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C1519	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C152	1223992	CECA-CH 150P J NP0 0603 BAW SPE0030A315
C1520	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C1521	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C1522	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C1523	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C1524	1253441	FOCA-CH 10N J 1206 50V G PAN ECHU
C1525	1253441	FOCA-CH 10N J 1206 50V G PAN ECHU
C1526	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1527	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1528	1223968	CECA-CH 33P J NP0 0603 BAW SPE0030A315
C153	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315

C1530	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C1550	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1551	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C1552	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1553	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C1554	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1555	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C1556	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C1557	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C156	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C157	1119176	CECA-CH 22N J X7R 0805 BAW SPE0014A315
C159	1119222	CECA-CH 470P K X7R 0805 BAW SPE0015A315
C160	1252690	CECA-CH 470P J NP0 0603 BAW SPE0030A315
C161	1223933	CECA-CH 15P J NP0 0603 BAW SPE0030A315
C162	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C163	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C164	1172050	AL-ELCA 47U M 16V G BAW SPE0060A31 RM2,5
C165	1243934	AL-ELCA 10U M 16V G BAW SPE0069A31 RM2,5
C166	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C168	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C169	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C170	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C1801	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C1802	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C1803	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C1804	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315
C1805	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315
C1809	1238647	TAKO-CH 1U K B G 35V BAW SPE0005A313
C1810	1166751	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
C1811	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C1836	1166751	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
C1861	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C2001	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C2002	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C2003	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C2004	1296116	CECA-CH 3N9 K X7R 0603 50V BAW SPE0032A3
C2005	1296116	CECA-CH 3N9 K X7R 0603 50V BAW SPE0032A3
C2006	1119176	CECA-CH 22N J X7R 0805 BAW SPE0014A315
C2007	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C2008	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C2009	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C201	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C2010	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C2011	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C2012	1083945	CECA-CH 2N7 J NP0 1206 BAW SPE0007A315
C2013	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C2014	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315

C2015	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C2016	1275879	ALCA-CH 10U M 16V I G BAW SPE0162A312
C2017	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C2018	1083945	CECA-CH 2N7 J NP0 1206 BAW SPE0007A315
C2019	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315
C202	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C2020	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C2021	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C2022	1288962	CECA-CH 150N K X7R 0805 25V MUR GRM40
C2023	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C2024	1288962	CECA-CH 150N K X7R 0805 25V MUR GRM40
C2025	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C203	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C204	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C205	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C206	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C207	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C209	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C210	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C212	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C213	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C216	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C217	1290681	CECA-CH 330P J P2H 0805 50V MUR GRM40
C218	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C219	1283235	CECA-CH 4U7 K X5R 1206 10V MUR GMR42-6
C220	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C221	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C226	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C227	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C251	1320513	CECA-CH 75P J NPO 0603 BAW SPE0030A315
C252	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C253	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C254	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C255	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C257	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C258	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C259	1166409	CECA-CH 6N8 J X7R 0805 BAW SPE0014A315
C260	1166409	CECA-CH 6N8 J X7R 0805 BAW SPE0014A315
C261	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C264	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C271	1277790	CECA-CH 680P J COH 0603 25V G MUR GRM39
C276	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C277	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C278	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C279	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C282	1301497	CECA-CH 47P J P2H 0603 MUR GRM39
C283	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315

C285	1243934	AL-ELCA 10U M 16V G BAW SPE0069A31 RM2,5
C301	1230077	CECA-CH 1N J NPO 0603 50V AVX CM105
C302	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C303	1246321	CECA-CH 220N K X7R 1206 BAW SPE0036A315
C304	1246321	CECA-CH 220N K X7R 1206 BAW SPE0036A315
C305	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C309	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C310	1243012	CECA-CH 27P J NPO 0603 BAW SPE0030A315
C312	1223933	CECA-CH 15P J NP0 0603 BAW SPE0030A315
C314	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C317	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C318	1283235	CECA-CH 4U7 K X5R 1206 10V MUR GMR42-6
C319	1283235	CECA-CH 4U7 K X5R 1206 10V MUR GMR42-6
C320	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C321	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C322	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C323	1173278	AL-ELCA 4U7 M 25V G BAW SPE0071A31 RM2,5
C324	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C325	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C326	1218506	CECA-CH 1N J U2J 0805 MUR GRM40
C328	1259253	CECA-CH 220P J NPO 0603 BAW SPE0030A315
C346	1162241	CECA-CH 470P G NP0 0805 BAW SPE0027A315
C347	1162284	CECA-CH 560P G NP0 0805 BAW SPE0027A315
C348	1254782	CECA-CH 2N G NPO 0805 50V MUR GRM40
C349	1239961	CECA-CH 1N F NP0 0805 BAW SPE0029A315
C351	1243934	AL-ELCA 10U M 16V G BAW SPE0069A31 RM2,5
C360	1283235	CECA-CH 4U7 K X5R 1206 10V MUR GMR42-6
C361	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C362	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C363	1270648	CECA-CH 68N J X7R 0805 25V MUR GRM40
C364	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C365	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C366	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C367	1119192	CECA-CH 33N K X7R 0805 BAW SPE0015A315
C368	1276220	CECA-CH 2N2 J X7R 0805 50V BAW SPE0014A
C369	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C370	1246321	CECA-CH 220N K X7R 1206 BAW SPE0036A315
C371	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C50	1229974	AL-ELCA 100U M 25V I G BAW SPE0108 RM2,5
C501	1186973	AL-ELCA 1M M 25V G BAW SPE0074A312-RM5
C502	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C506	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C507	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C508	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C509	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C51	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C52	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315

C53	1290282	AL-ELCA 2M2 M 25V G BAW SPE0084A312RM7,5
C54	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C55	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C56	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C57	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C58	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C59	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C603	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C606	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C607	1253360	AL-ELCA 56U M 2000/105 16V NCC SXE-VB F0
C609	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C610	1253360	AL-ELCA 56U M 2000/105 16V NCC SXE-VB F0
C611	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C612	1249150	AL-ELCA 22U M 16V BAW SPE0067A312-RM2,5
C613	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C62	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C63	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C64	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C65	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C70	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C702	1281437	FOCA 100N J 63V G BAW SPE0015A314 RM5
C704	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C705	1281283	FOCA 15N J 63V G BAW SPE0010A314 RM5
C706	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C707	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C71	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C712	1281437	FOCA 100N J 63V G BAW SPE0015A314 RM5
C714	1307797	ALCA-CH 4U7 M 25V I G BAW SPE0164A312
C715	1281283	FOCA 15N J 63V G BAW SPE0010A314 RM5
C716	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C717	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C72	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C720	1249150	AL-ELCA 22U M 16V BAW SPE0067A312-RM2,5
C721	1252585	CECA-CH 470N J X5R 1206 16V MUR GRM42-6
C722	1166751	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
C723	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C724	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C725	1172085	AL-ELCA 100U M 16V G BAW SPE0063A3 RM2,5
C73	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C74	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C75	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C76	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C77	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C805	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C806	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C807	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C808	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315

C811	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C812	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C813	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C814	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C815	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C816	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C817	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C818	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C819	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C820	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C821	1229974	AL-ELCA 100U M 25V I G BAW SPE0108 RM2,5
C830	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C831	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C832	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C833	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C834	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C835	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C836	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C837	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C840	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C852	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C861	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C862	1258877	AL-ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C863	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C870	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C871	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C881	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C882	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C897	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C898	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C901	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C902	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C908	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C909	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C919	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C928	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C929	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C939	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C949	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C958	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C968	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C969	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
D101	1149326	CHOKE-CH 0,68UH K G SIE B82422-A3681-K
D103	1289950	CHOKE-CH 10UH K G SIE B82432-A1103-K
D104	1242164	INDUCTOR-CH G MUR BLM11B141D
D1500	1237705	INDUCTOR-CH G MUR BLM21A601S
D1501	1305591	INDUCTOR-CH G MUR BLM11A601S

D1502	1237705	INDUCTOR-CH G MUR BLM21A601S
D1503	1227221	INDUCTOR-CH G MUR BLM11A221S
D1504	1000950	CHOKE-CH 47UH K G SIE B82422-A1473-K
D1505	1305591	INDUCTOR-CH G MUR BLM11A601S
D1550	1237705	INDUCTOR-CH G MUR BLM21A601S
D1801	1227221	INDUCTOR-CH G MUR BLM11A221S
D301	1178237	CHOKE-CH 2,2UH K G SIE B82422-A1222-K
D302	1249398	CHOKE-CH 2,2MH K G MSI C6-R/3333
D304	1245368	CHOKE-CH 68UH K G SIE B82432-S1683-K
D305	1245368	CHOKE-CH 68UH K G SIE B82432-S1683-K
D306	1148494	CHOKE-CH 0,47UH J G SIE B82422-A3471-J
D50	1237705	INDUCTOR-CH G MUR BLM21A601S
D51	1237705	INDUCTOR-CH G MUR BLM21A601S
D52	1237705	INDUCTOR-CH G MUR BLM21A601S
D53	1244922	CHOKE,BATT.- 200UH VOG 5730409900
D870	1227221	INDUCTOR-CH G MUR BLM11A221S
D871	1227221	INDUCTOR-CH G MUR BLM11A221S
D873	1245104	CHOKE-CH 51UH N 0,5A G SIE B82790
D909	1237705	INDUCTOR-CH G MUR BLM21A601S
D930	1237705	INDUCTOR-CH G MUR BLM21A601S
D931	1237705	INDUCTOR-CH G MUR BLM21A601S
DI101	1217186	DIODE-CH SIE BB914 G
DI102	1217186	DIODE-CH SIE BB914 G
DI104	1225529	DIODE-CH TEL S391D G
DI131	1217186	DIODE-CH SIE BB914 G
DI1801	1252143	DIODE-CH PHI BAS216 G
DI1803	1252143	DIODE-CH PHI BAS216 G
DI1804	1252143	DIODE-CH PHI BAS216 G
DI1805	1252143	DIODE-CH PHI BAS216 G
DI203	1252143	DIODE-CH PHI BAS216 G
DI301	1229788	DIODE-CH BAW BA779-2/1SV234/DPA05 G SPE
DI302	1252143	DIODE-CH PHI BAS216 G
DI50	1179683	DIODE-CH GIC S3B G
DI501	1252143	DIODE-CH PHI BAS216 G
DI603	1118757	DIODE-CH BAW 6V8 5% SHIP-TO-STOCK G SPE0
DI830	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI831	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI832	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI833	1252143	DIODE-CH PHI BAS216 G
DI834	1252143	DIODE-CH PHI BAS216 G
DI840	1076353	DIODE-CH BAW 5V6 2% SHIP-TO-STOCK G SPE0
DI853	1252143	DIODE-CH PHI BAS216 G
DI854	1252143	DIODE-CH PHI BAS216 G
DI861	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI885	1252143	DIODE-CH PHI BAS216 G
DI890	1252143	DIODE-CH PHI BAS216 G
F101	1295004	FILTER, FMZ- 100MHZ TOK MC122 E528ENAS-1

F102	1253395	FILTER, FMZ- 100MHZ TOK/P666SNS-256Z-RT
F131	1284827	FILTER,AMO/FMO-120MHZ TOK VAG,VWA,GEA
F201	1290568	FILTER, FM-ZF- 10,7MHZ TOK 5PAG-C805PN-
F204	1291637	FILTER,FM-PHASENKR.-10,7MHZ MSI RA7008-2
F321	1247115	FILTER, AM-ZF- 450KHZ TOK 5PAG (C805LN-0
IC101	1309404	IC-CH SIE TUA 4306 B3 MQFP64/1 G
IC1401	1155431	IC-CH PHI SAA6579T/V1 SHIP-TO-STOCK
IC1500	1239147	IC-CH AUM OCC8001-01
IC1501	1249101	IC-CH TOS TC7S08F G
IC1502	1311050	IC-CH AKM AK4520B-E2
IC151	1283510	IC-CH SGT TDA 7427 AD (TSSOP28) G
IC1801	0901806	IC-CH PHI PCF8576T/F2 SHIP-TO-STOCK G
IC1802	1299662	IC-CH NEC UPD 754302-3200-04/98
IC2001	1246178	IC-CH SGT TDA7342TR G
IC361	1283669	IC-CH HIT HA12181FP FP-16DA
IC501	1271180	IC PHI TDA8569Q /N1
IC601	1258397	IC-CH SIE TLE4276GV P-TO220-5-122
IC602	1246674	IC-CH SIE TLE4269GL P-DSO20-6 G
IC701	1246607	IC-CH SOY CXA2510Q
IC702	1245996	IC-CH PHI 74HC03D,653 G
IC831	1286242	IC-CH TOS TC7S14F G
IC870	1279432	IC-CH PHI TJA 1053 G
IC881	1240481	IC-CH SIE BSP452 G
IC901	1245058	IC-CH SIE SAF-C515C-8R P-MQFP-80
IC902	1294490	IC-CH PHI 74HC573 PW,118-TSSOP20
IC903	1312170	IC-SOCKET+C450 32POL CAB 540-99-032-07-400-0
IC903	1338196	IC-CH BAW 27C010-90-3100-26/99 3100
IC904	1294334	IC-CH SAY LC35256DT-70-TLM
IC905	1294490	IC-CH PHI 74HC573 PW,118-TSSOP20
IC906	1294490	IC-CH PHI 74HC573 PW,118-TSSOP20
IC909	1294601	IC-CH PHI 74HC02PW-TSSOP14 G
IC910	1012071	IC-CH BAW 74HC4094 G SPE0005A308
IC911	1012071	IC-CH BAW 74HC4094 G SPE0005A308
KF201	1306987	K-FILT MUR SFE 10,7 MS3A10GJ24-A-S-TF21
KF202	1331590	KERA-FILTER MUR SFE 10,7MHZ MTE-TF22
KF204	1307010	K-FILT.MUR SFE 10,7MHZ MJA10J24-A-S-TF21
KF205	1306987	K-FILT MUR SFE 10,7 MS3A10GJ24-A-S-TF21
KF321	1237713	KERA-FILTER MUR CFWS 450 IT
LD1801	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1802	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1803	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1804	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1805	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1806	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1807	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1808	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1809	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228

LD1810	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1811	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1812	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1813	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1814	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1831	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1832	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1833	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1834	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1835	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1836	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1837	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1838	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1839	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1840	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1841	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1842	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1843	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1844	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1846	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1847	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1848	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1849	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1850	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1851	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1861	1158767	LED-CH SIE LST670 G -RT
OT1500	1248121	TRANSCEIVER AMP 966893 D2BOPTICAL-HEADER
P701	1246615	TRIRES-CH 10K 0,10W MUR POZ3AN1-103N-T00
P702	1246615	TRIRES-CH 10K 0,10W MUR POZ3AN1-103N-T00
Q1401	1277898	QUARTZ 4,332MHZ G NDK AT-51
Q1500	1305492	QUARTZ-CH 16,9344 MHZ NDK AT-41CD2
Q151	1280279	QUARTZ 10,250 MHZ G NDK AT-51 M.ISOPL.
Q1801	1171501	KERA-RESON-CH MUR CSAC 4,19 MGCA G
Q251	1295268	KERA-RESON-CH MUR CSBF456 JF 239
Q901	1295691	QUARTZ 10MHZ TQG TQX6674 MIT ISOPL.
R1000	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R1002	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R1004	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R1005	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1006	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1007	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1008	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1009	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1010	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1011	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R1012	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R102	1304445	RES-CH 1K F 0603 BAW SPE0028A323

R103	1304161	RES-CH 10R F 0603 BAW SPE0027A323
R105	1304161	RES-CH 10R F 0603 BAW SPE0027A323
R106	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R107	1304161	RES-CH 10R F 0603 BAW SPE0027A323
R112	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R1160	1305085	RES-CH 820K F 0603 BAW SPE0028A323
R1161	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R121	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R122	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R123	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R124	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R125	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R126	1285564	RES-CH 4K7 F 0603 G BAW SPE0028A323
R127	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R131	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R132	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R1401	1304161	RES-CH 10R F 0603 BAW SPE0027A323
R1402	1304437	RES-CH 820R F 0603 BAW SPE0027A323
R1500	1304471	RES-CH 2K F 0603 G BAW SPE0028A323
R1501	1271202	RES-CH 220K F 0603 G BAW SPE0028A323
R1502	1277588	RES-CH 330K F 0603 G BAW SPE 0028A323
R1503	1304755	RES-CH 1R5 F 0805 G BAW SPE0017A323
R1506	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1507	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1508	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1509	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R151	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R1511	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1512	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1513	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1514	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1515	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1516	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R1517	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R1518	1235389	RES-CH 2K4 F 0603 G BAW SPE0028A323
R1519	1235389	RES-CH 2K4 F 0603 G BAW SPE0028A323
R152	1304161	RES-CH 10R F 0603 BAW SPE0027A323
R1520	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R1521	1304321	RES-CH 150R F 0603 BAW SPE0027A323
R1522	1304321	RES-CH 150R F 0603 BAW SPE0027A323
R1523	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1524	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1525	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1526	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1527	1304364	RES-CH 270R F 0603 BAW SPE0027A323
R1528	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R153	1253700	RES-CH 8K2 F 0603 G BAW SPE0028A323

R154	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R1550	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R1551	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R156	1305001	RES-CH 33K F 0603 BAW SPE0028A323
R157	1304161	RES-CH 10R F 0603 BAW SPE0027A323
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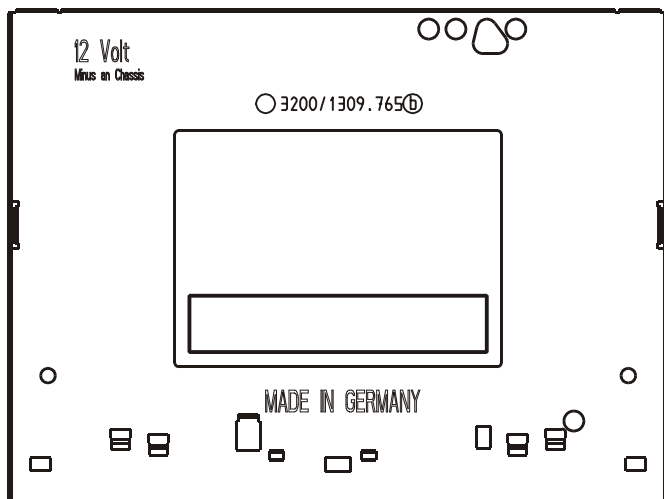
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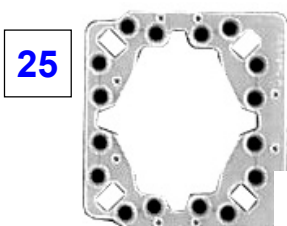
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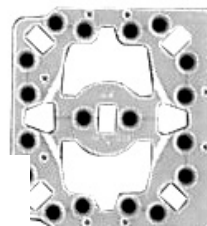
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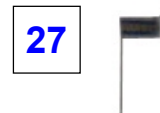
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